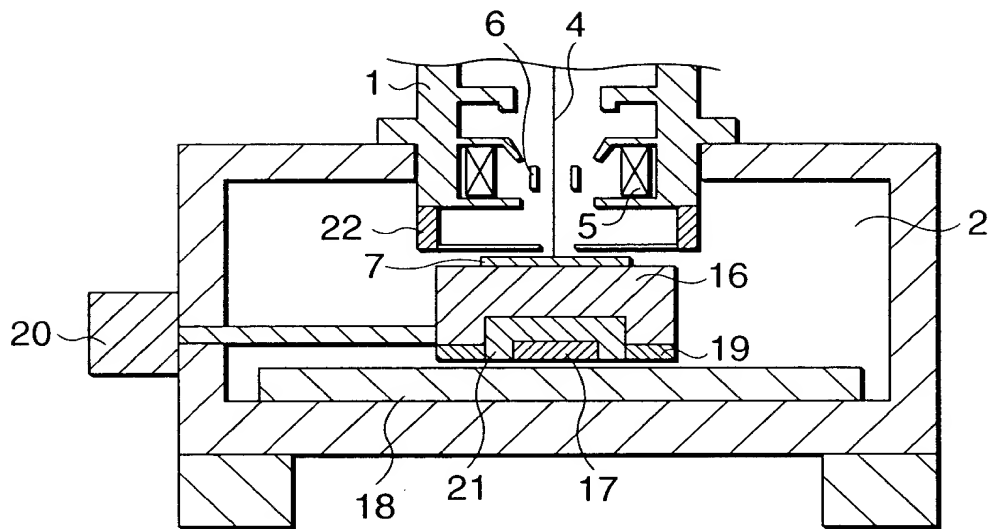
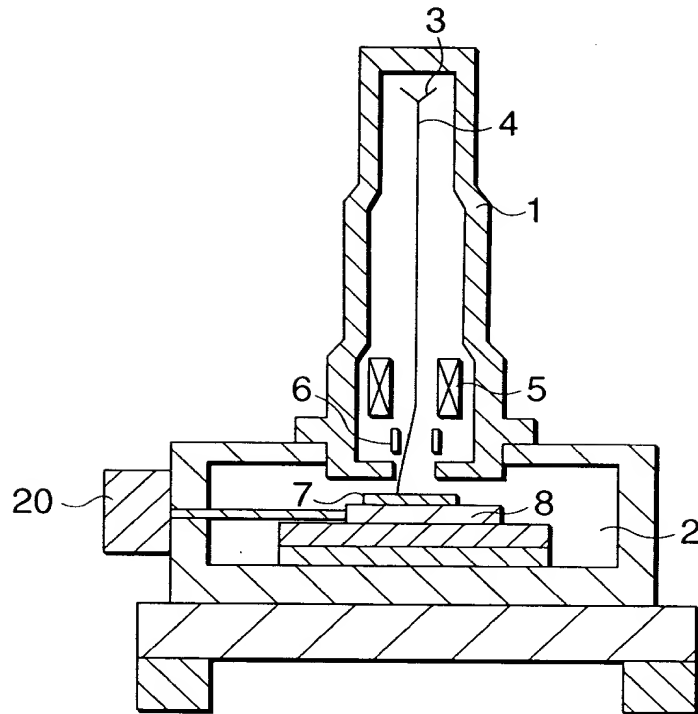


FIG. 1



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FIG. 2



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FIG. 3A

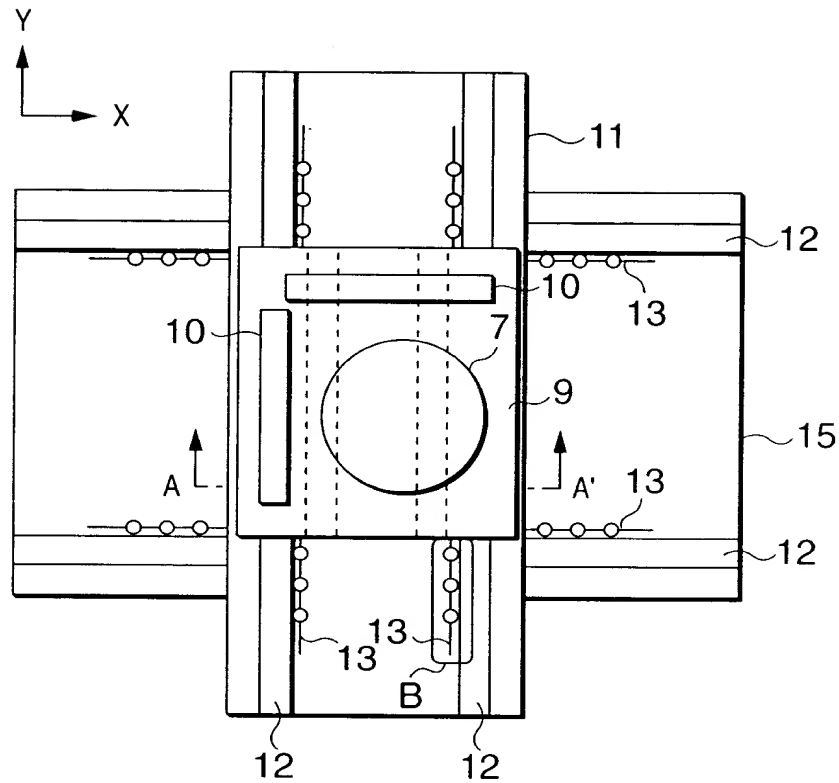
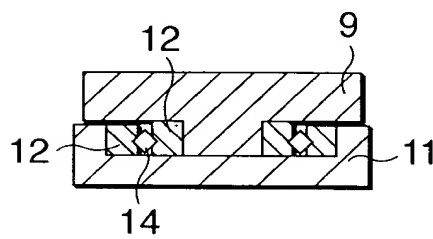
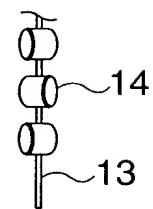


FIG. 3B



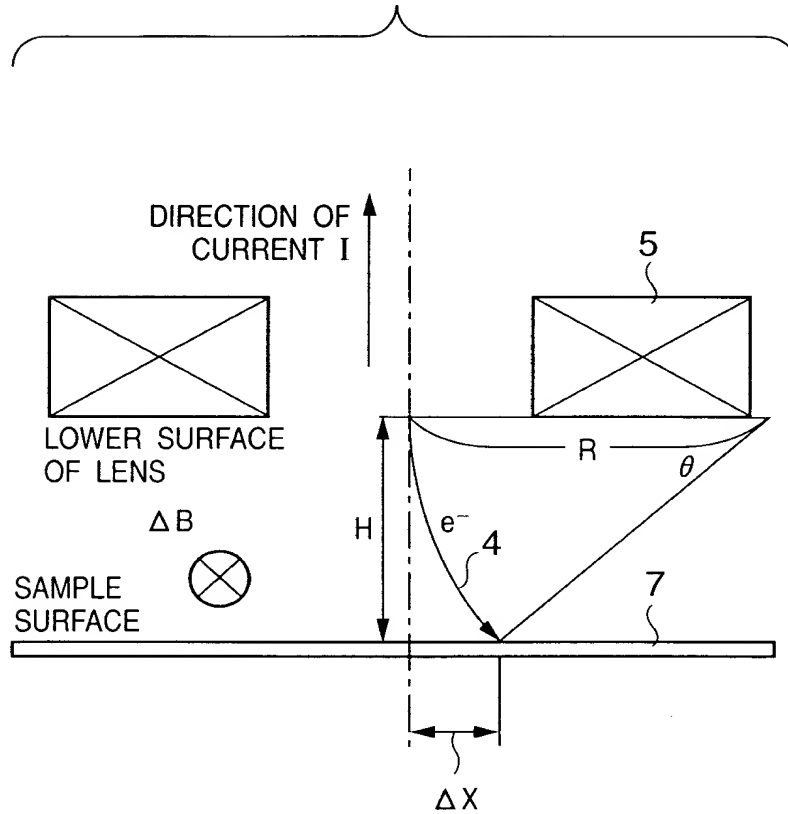
SECTIONAL VIEW TAKEN
ALONG LINE A - A'

FIG. 3C

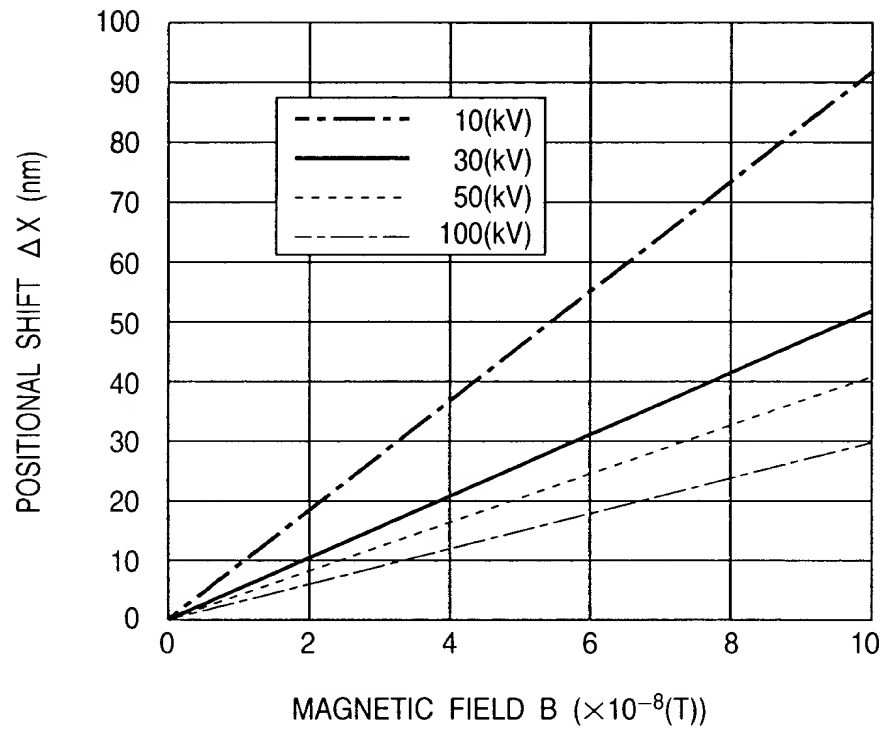


ENLARGED VIEW
OF PORTION B

FIG. 4



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FIG. 5

RELATIONSHIP BETWEEN POSITIONAL SHIFT OF
ELECTRON BEAM AND MAGNETIC FIELD CHANGE AMOUNT
($H=25(\text{mm})$, $E=10,30,50,100(\text{kV})$)

FIG. 6A

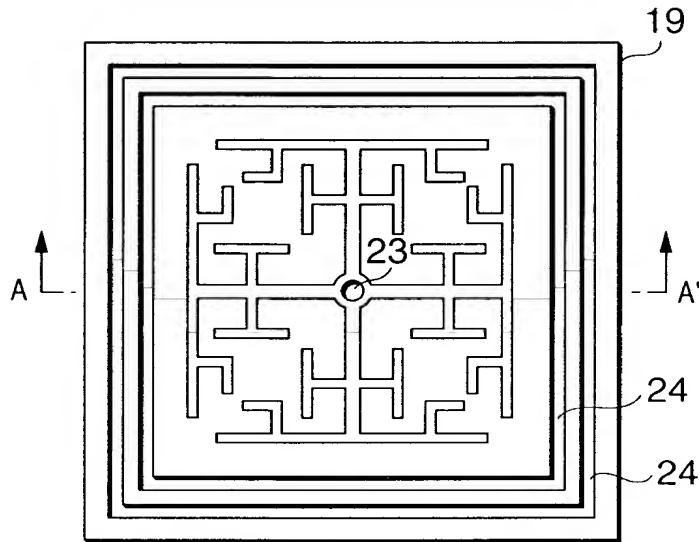
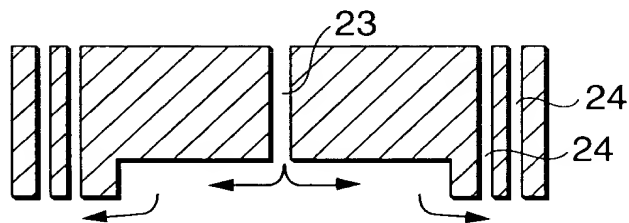


FIG. 6B



SECTIONAL VIEW TAKEN ALONG LINE A - A'

FIG. 7A

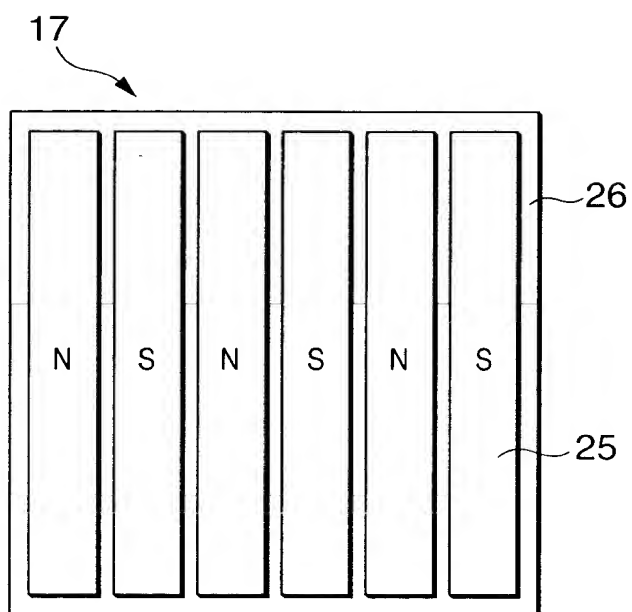
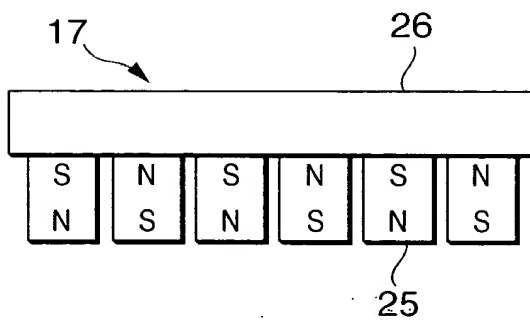
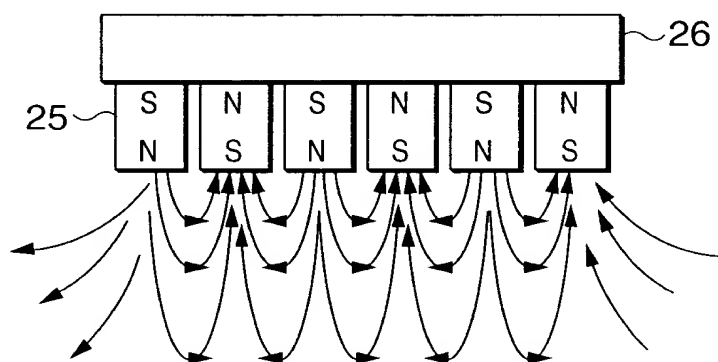


FIG. 7B



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FIG. 8

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FIG. 9

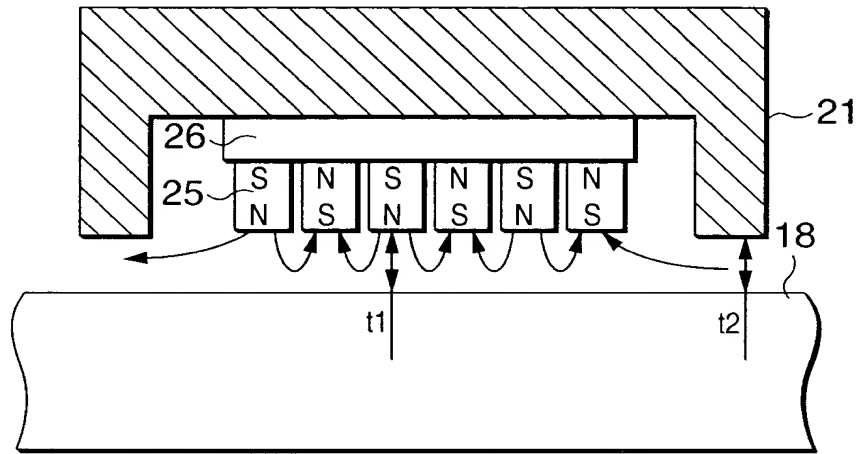
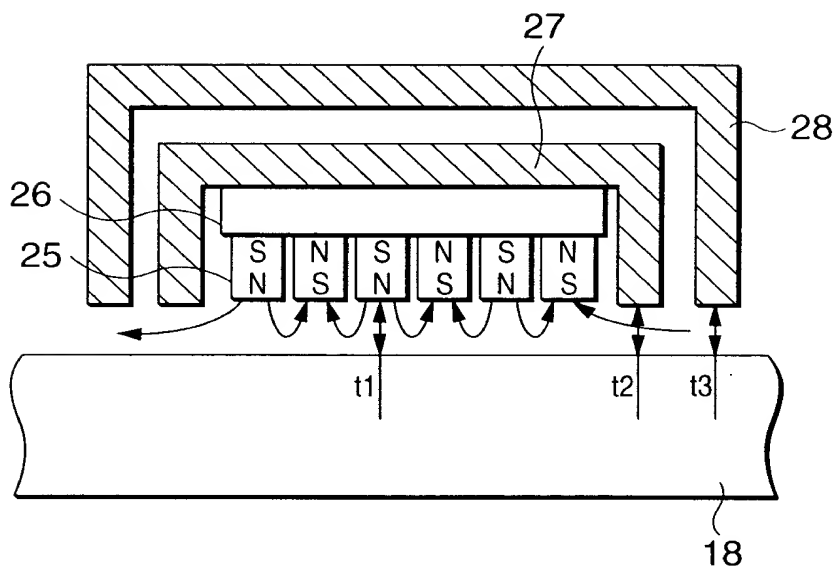


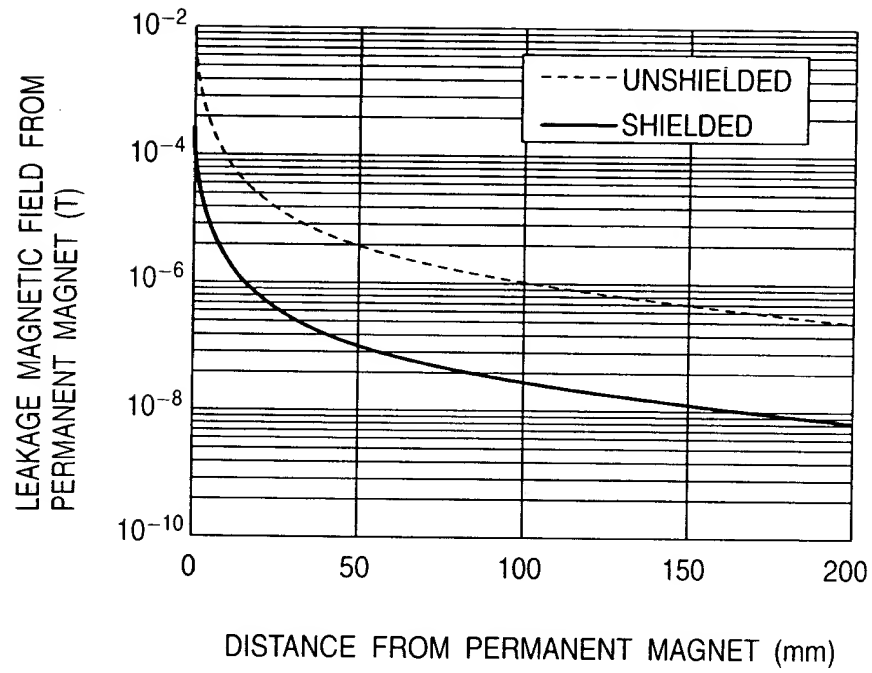
FIG. 10



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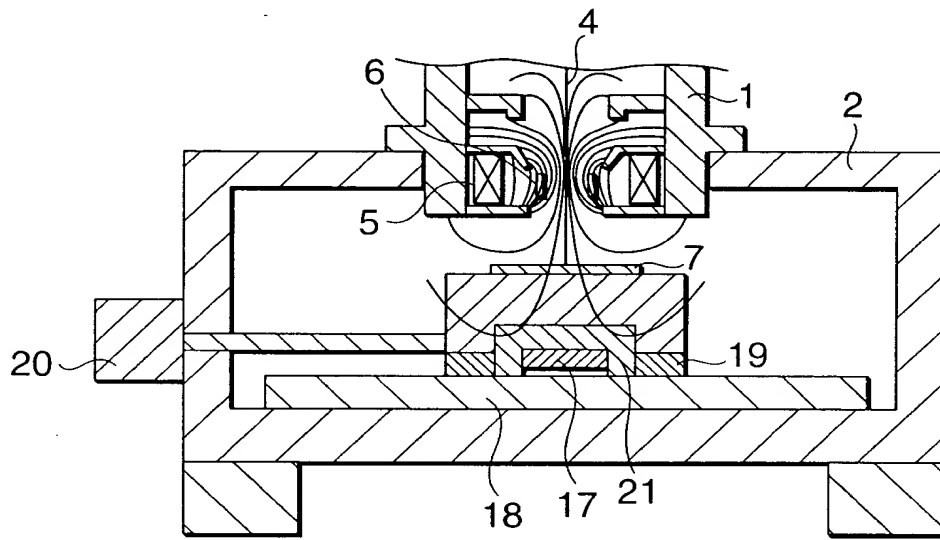
FIG. 11



EXTERNAL MAGNETIC FIELD SHIELD EFFECT OF PERMANENT MAGNET

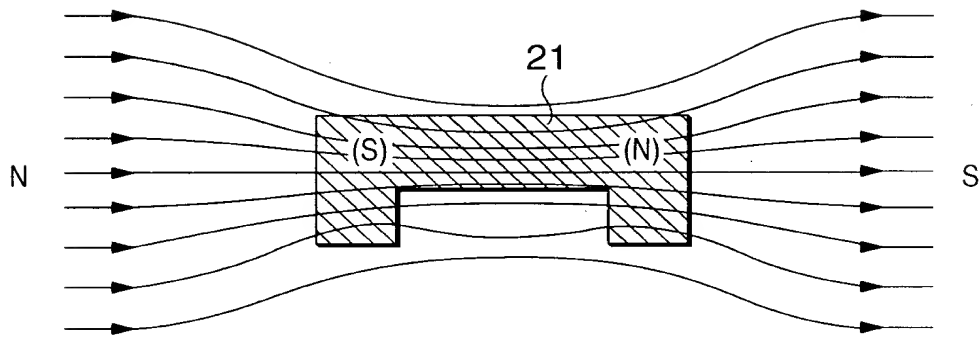
006TOT 4E2F6960

FIG. 12

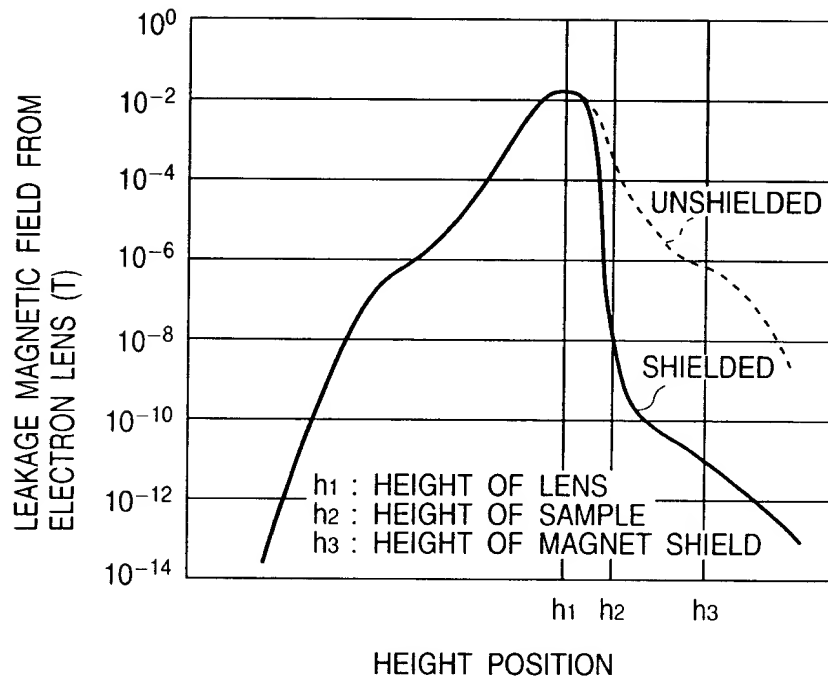


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FIG. 13



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FIG. 14

SHIELD EFFECT FOR ELECTRON LENS LEAKAGE MAGNETIC FIELD

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FIG. 15

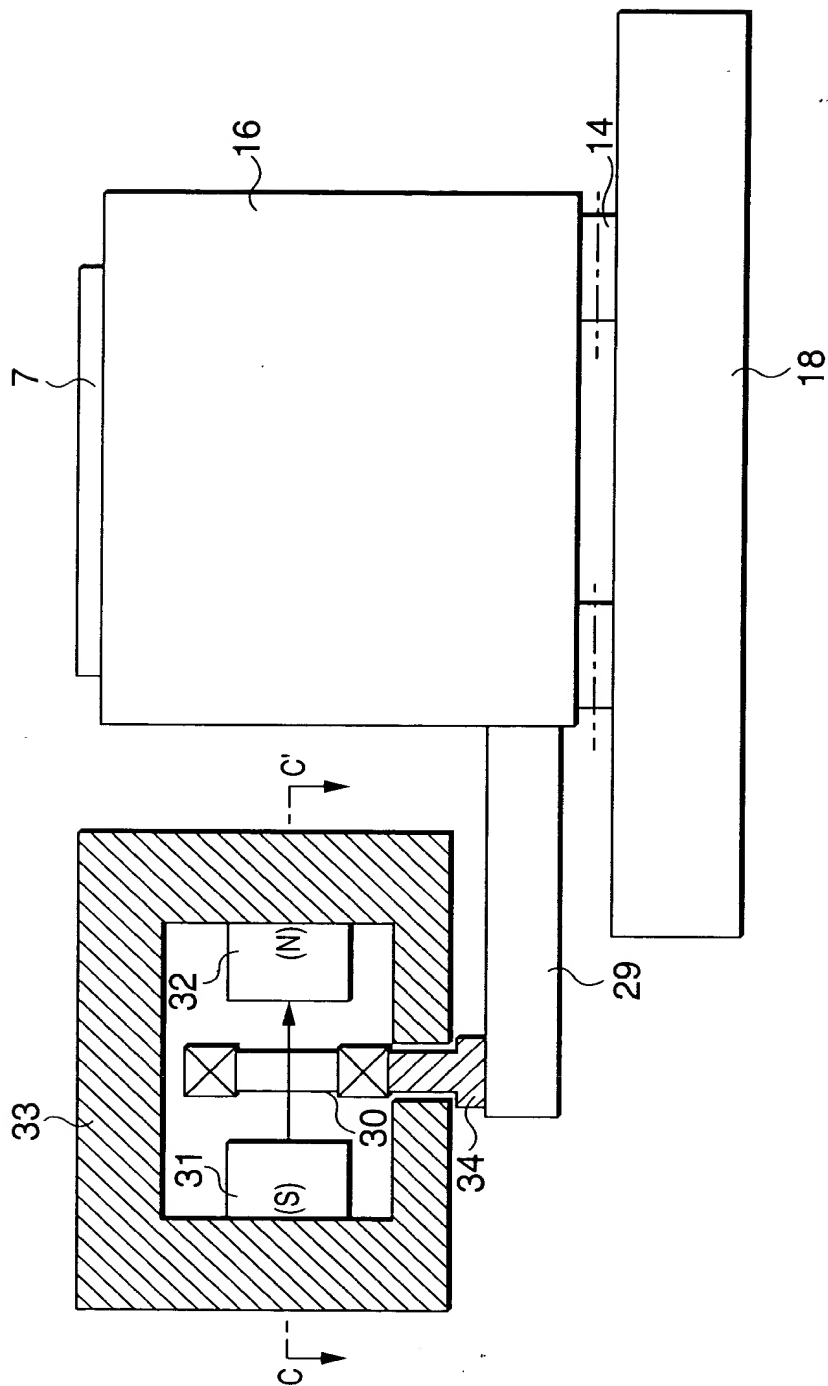
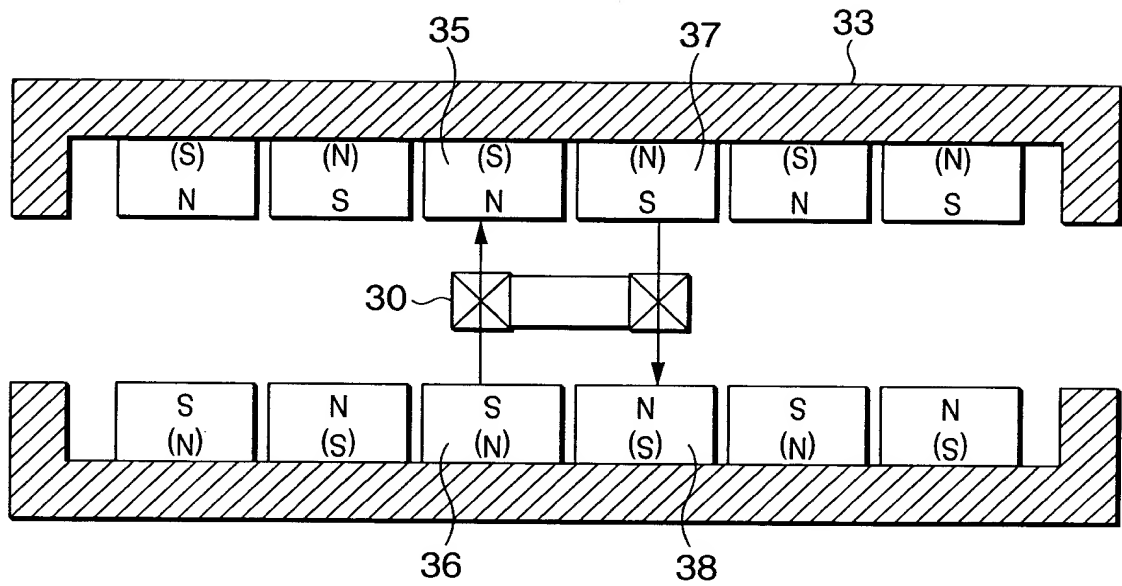


FIG. 16

CROSS-SECTIONAL VIEW TAKEN ALONG LINE C - C'

FIG. 17

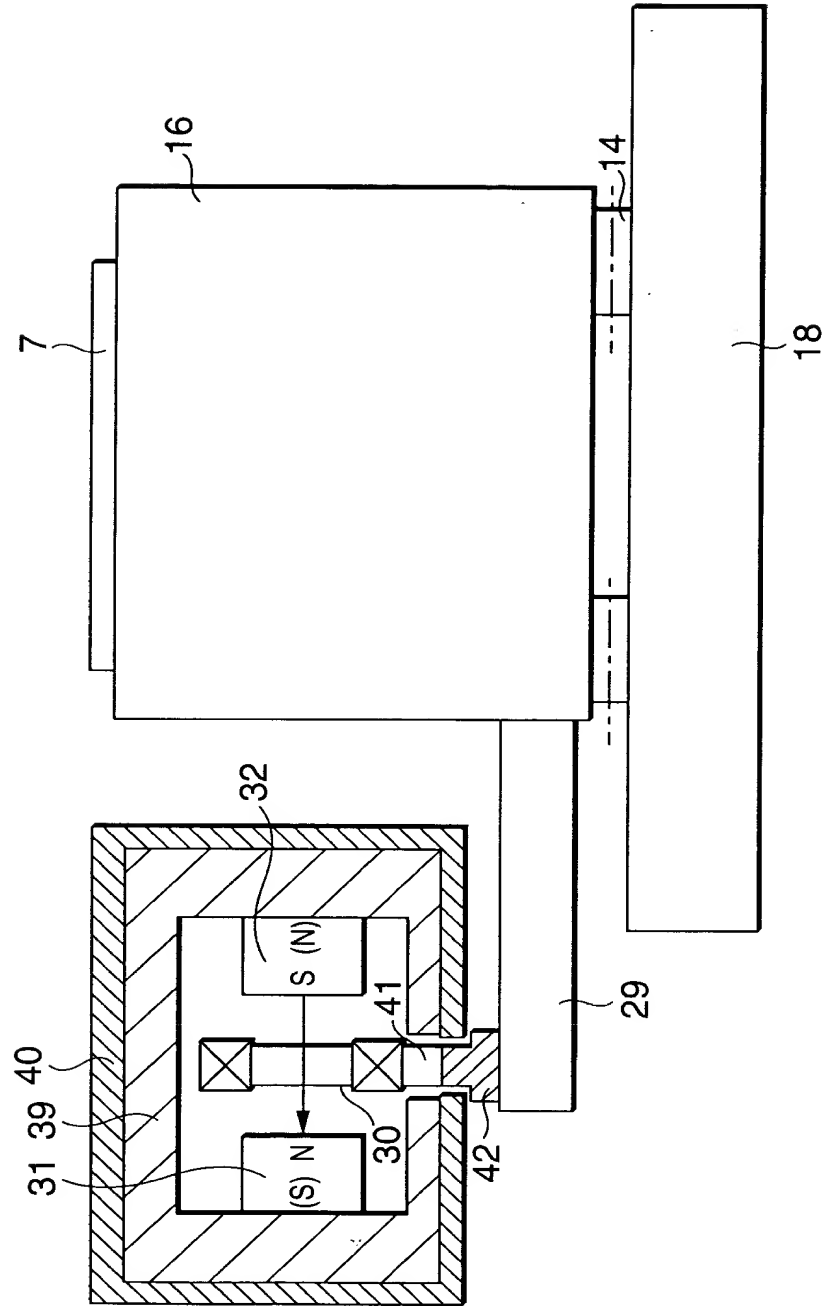


FIG. 18

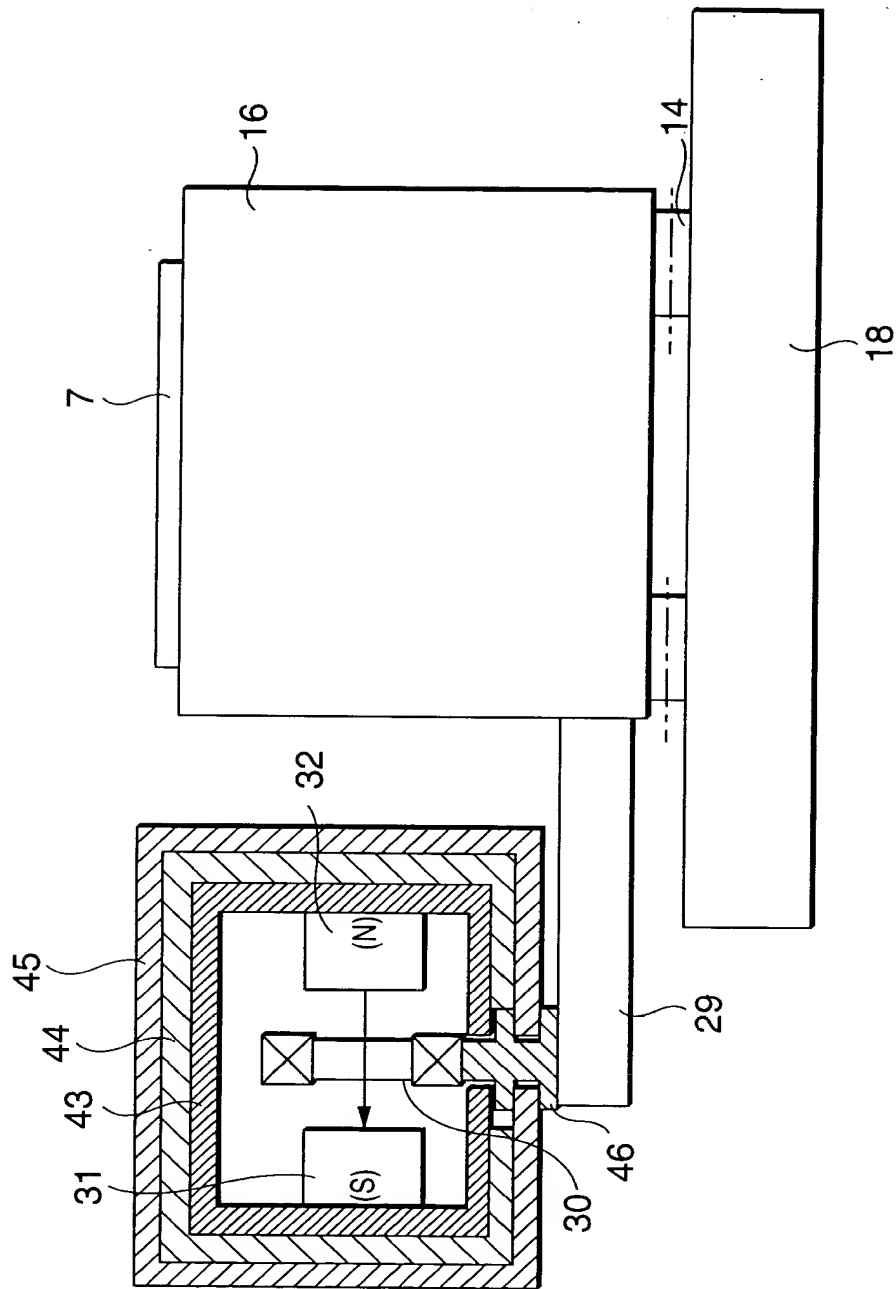


FIG. 19

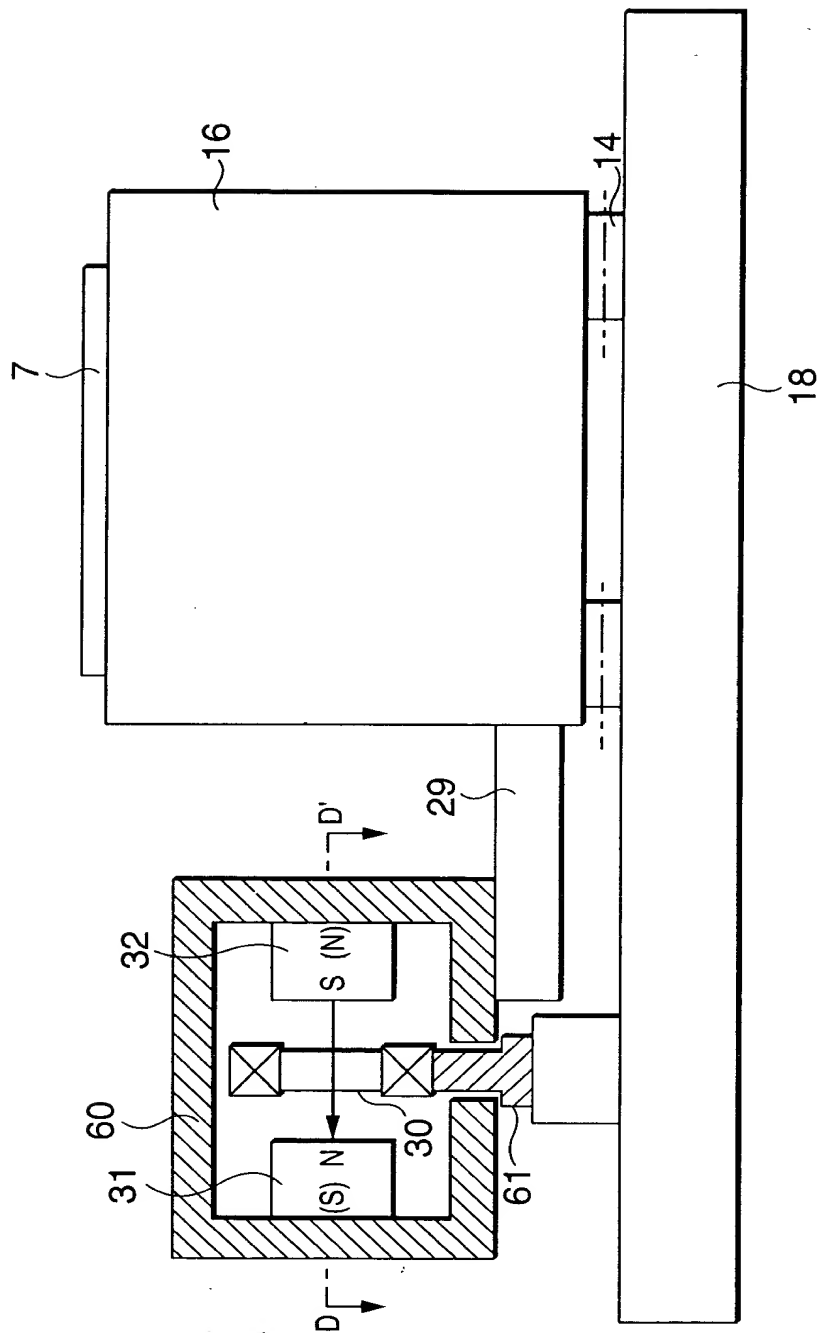
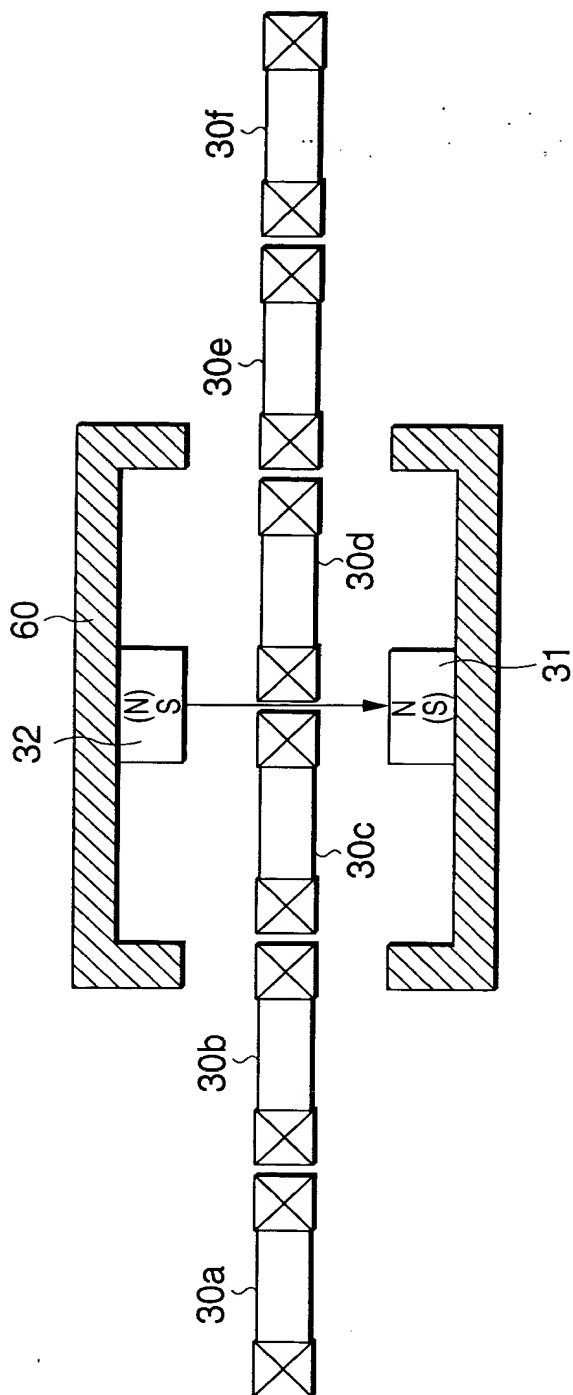


FIG. 20



CROSS-SECTIONAL VIEW TAKEN ALONG LINE D - D'

FIG. 21A

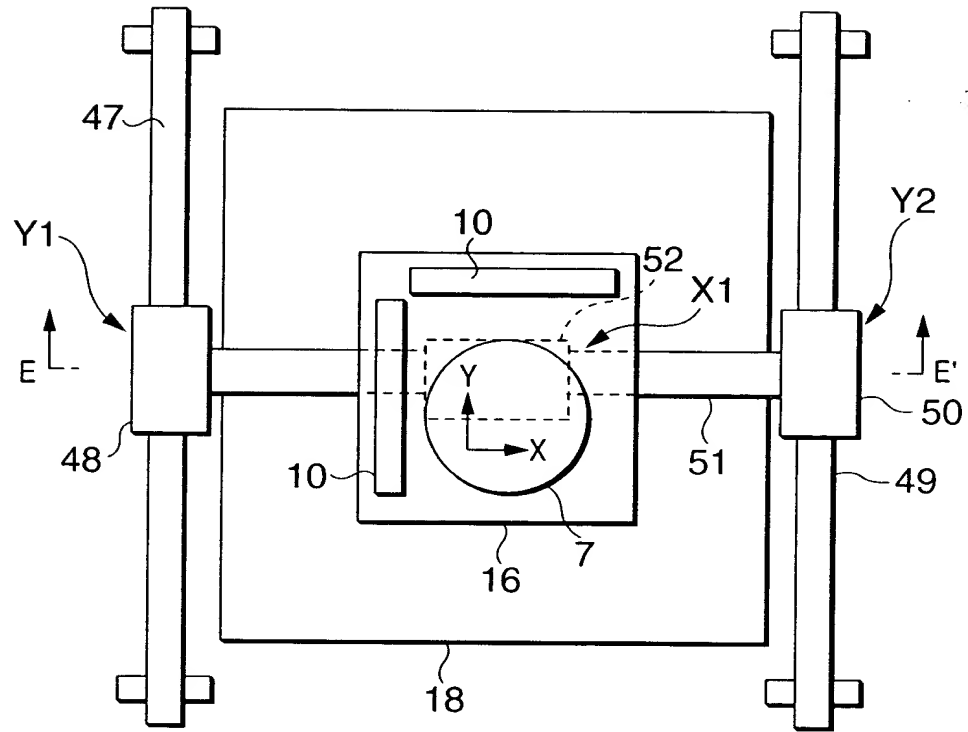
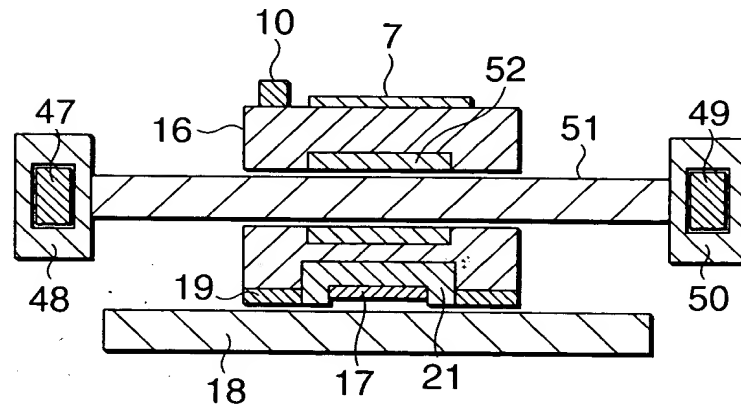


FIG. 21B



SECTIONAL VIEW TAKEN ALONG LINE E - E'

Figure 1 is a schematic diagram of a measurement system. The system includes a central square frame 18. Inside the frame, there is a circular target 7. A coordinate system (X, Y) is centered on the target 7. A horizontal bar 51 is positioned above the target, and a rectangular block 52 is mounted on top of the horizontal bar 51. A vertical bar 49 is on the right side of the frame, and a vertical bar 47 is on the left side. A horizontal bar 48 connects the two vertical bars. A coordinate system (X1, Y1) is shown at the top left, and a coordinate system (X2, Y2) is shown at the top right. The target 7 is labeled with 10, 16, and 18.

FIG. 24A

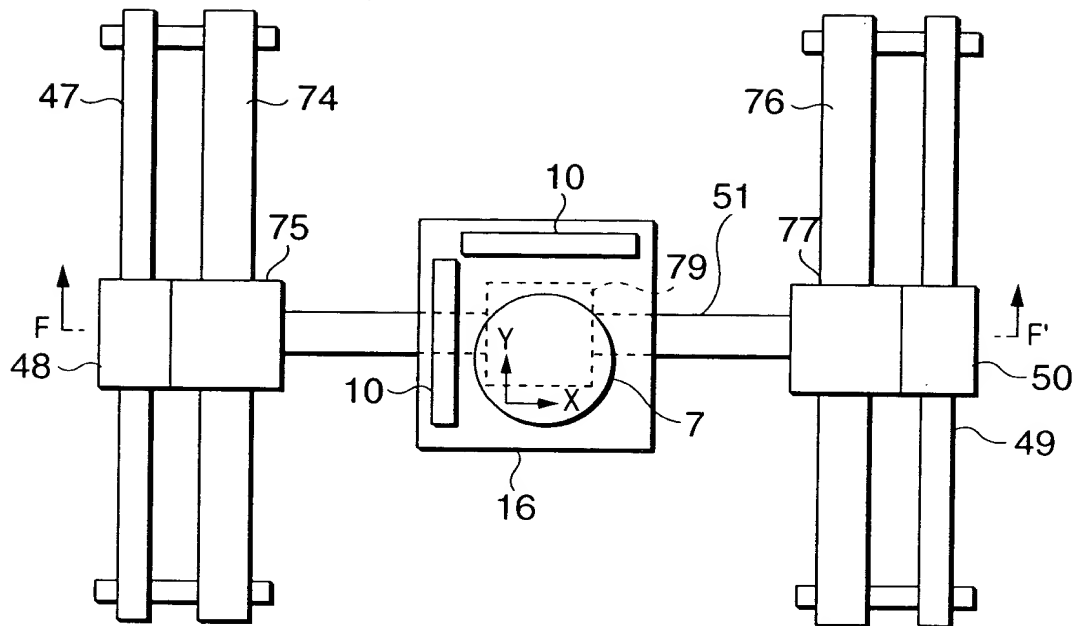
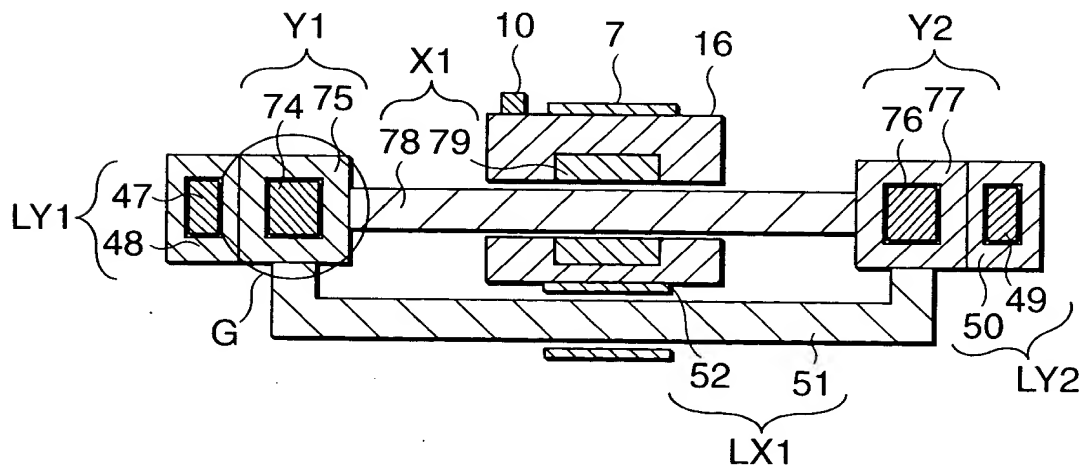
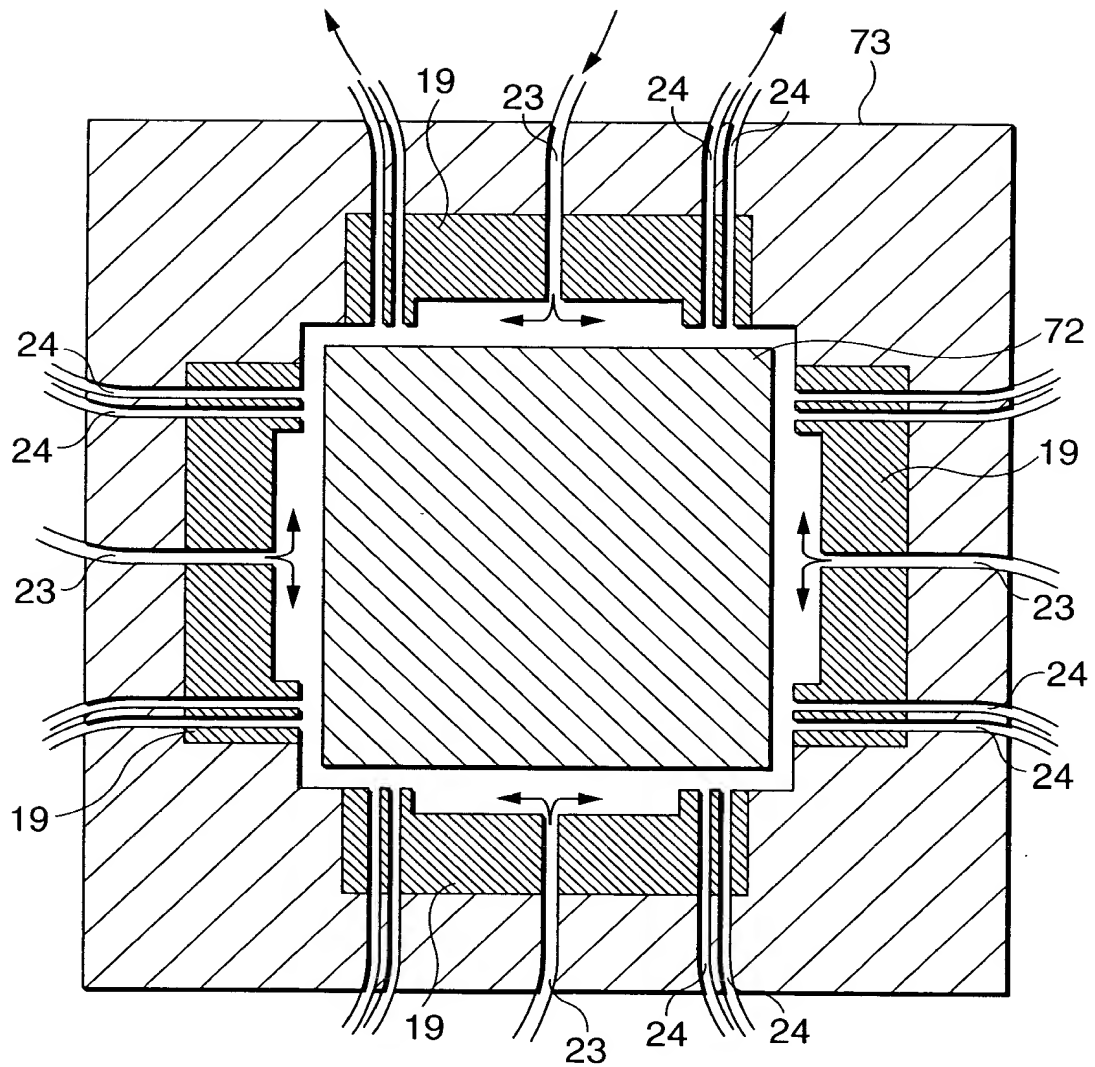


FIG. 24B



SECTIONAL VIEW TAKEN ALONG LINE F - F'

FIG. 25



ENLARGED VIEW OF PORTION G IN FIG.24B

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FIG. 26A

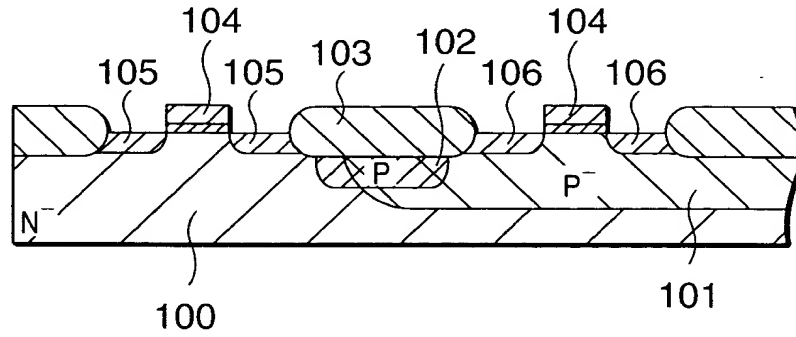


FIG. 26B

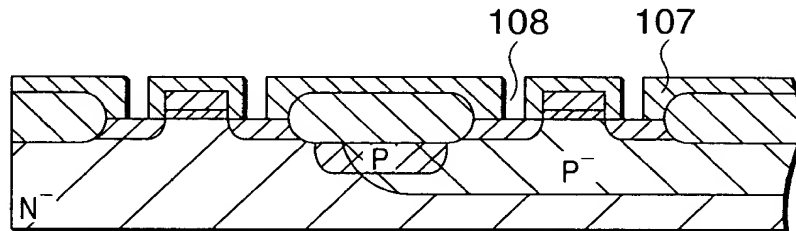


FIG. 26C

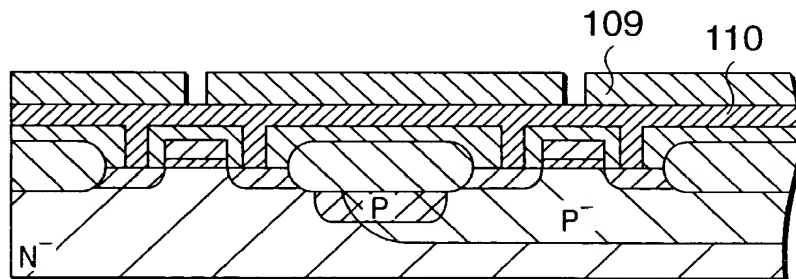


FIG. 26D

